WHAT IS CLAIMED IS:

1. A method of maintaining a rotational velocity of an imaging drum during engagement with a transfer roll in an image producing device comprising:

forming a nip to transfer an image from said imaging drum to media when said imaging drum is in engagement with the transfer roll

maintaining a substantially constant imaging drum rotational velocity mode during engagement with the transfer roll;

sensing a lead edge of portion of said media prior to entering the nip;

activating torque assist to increase the velocity of said transfer roll when said media is in said nip for a defined period; and

resuming said substantially constant imaging drum rotational velocity mode while a second portion of said media is in the nip.

2. The method of claim 1, further comprising sensing the trailing of said media prior enter the nip;

activating torque assist to decrease the velocity of said transfer roll when said media is in said nip for a second defined period; and

resuming said substantially constant imaging drum rotational velocity mode after said media has left the nip.

3. The method of claim 1, wherein said activating torque assist includes adjusting a current set point of a transfer roll drive to maintain a substantially constant imaging drum rotational velocity when said media enters the nip.

4. The method of claim 1, wherein said activating torque assist includes adjusting a current set point of a transfer roll drive to maintain a substantially constant imaging drum rotational velocity as said media leaves the nip.

5. The method of claim 1, wherein said increasing and decreasing includes utilizing the table base upon the media characteristics to determine the transfer roll drive current to maintain a substantially constant imaging drum rotational velocity.

6. The method of claim 1, wherein said first defined period and second defined period includes utilizing the table base upon the media characteristics to determine time periods to maintain a substantially constant imaging drum rotational velocity.